## WHAT IS CLAIMED IS:

- 1. A crosslinked composition comprising:
  - from 20 to 100 parts by weight of at least one elastomer (I),
  - from 2 to 50 parts by weight of at least one triblock block copolymer (II), at least one block of which is composed predominantly of methacrylic monomers,
- from 0 to 100 parts by weight of at least one thermoplastic polymer (III).
- composition claimed in claim 1, 2. The as characterized in that the triblock block copolymer (II) corresponds to the following general formula 15 Y-B-Y' in which: B is an elastomeric block thermodynamically incompatible with the Y and Y' blocks, and Y and Y' have or do not have the same chemical composition and at least one of them is composed predominantly of methacrylic monomers. 20
- claim 2, 3. The composition as claimed in characterized in that B is an elastomeric block cocrosslinkable with the elastomer (I) chosen from polydienes, partially or completely hydrogenated 25 polydienes, polyolefin elastomers, long-chain nitrile elastomers or acrylic polyacrylates, copolymers with low Tg values comprising pendant vinyl functional groups.

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- 4. The composition as claimed in claim 3, characterized in that B is a polydiene obtained by the polymerization of at least one monomer chosen from the group consisting of butadiene, isoprene, 2,3-dimethyl-1,3-butadiene, 1,3-pentadiene and 2-phenyl-1,3-butadiene.
- 5. The composition as claimed in claim 2, characterized in that Y and Y' are obtained by the

polymerization of at least one monomer chosen from styrene and its derivatives, short-chain alkyl methacrylates, such as methyl methacrylate, or functional monomers, such as acrylic acid, methacrylic acid or glycidyl methacrylate.

- composition 6. The as claimed in claim 5, characterized in that Y is a block composed predominantly of styrene and in that Y' is a block least 50% by weight of comprising at methacrylate.
- 7. The composition as claimed in claim 6, in which the Y' block comprises imide functional groups.

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- 8. The composition claimed as in claim 1, characterized in that the elastomer (I) compound chosen from the group consisting natural rubbers, synthetic rubbers, EPRs, EPDMs, 20 elastomers with metallocene polymerization, such as poly(octene/ethylene), long-chain polyacrylates or polyolefin elastomers, which may or may not be modified, long-chain polyacrylates, such poly(butyl acrylate) or poly(2-ethylhexyl 25 acrylate), fluoroelastomers (FPMs), such copolymers based on tetrafluoroethylene, and silicone elastomers.
- 9. The composition as claimed in claim 8, characterized in that the elastomer (I) is poly(octene/ethylene).
- 10. The composition as claimed in claim 9, characterized in that it can be converted like a thermoplastic.
  - 11. The composition as claimed in claim 1, characterized in that the thermoplastic polymer is chosen from grafted polyolefins, such as

polyethylenes, polypropylenes and poly(ethylene/propylene)s grafted with acrylic acid, maleic anhydride or glycidyl methacrylate.

- 5 12. The composition as claimed in any one of the preceding claims, characterized in that it comprises, before crosslinking, at least one crosslinking system which comprises one or more crosslinking agents and one or more crosslinking 10 promoters.
- claimed 13. The composition in claim 12. as characterized in that the crosslinking system comprises, as crosslinking agent, one or more organic peroxides chosen from the group consisting 15 dicumyl peroxide, 1,3-bis(t-butylisopropyl)-2,5-dimethyl-2,5-bis(t-butyl)hexane benzene, 1,1-bis(t-butyl)-3,3,5-trimethylperoxide and cyclohexane and, as crosslinking promoter(s), one 20 or more compounds chosen from the group consisting of zinc oxide, stearic acid, N, N' - (m triallyl phenylene) dimaleimide, cyanurate, triisoallyl cyanurate, dimethacrylates, trimethacrylates, diacrylates and triacrylates.

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- The composition as claimed in claim 12, 14. characterized in that the crosslinking system is based on sulfur and comprises, in addition to zinc and/or stearic acid as oxide crosslinking promoters, one or more sulfur-donating activators and optionally an antireversion agent.
- composition claimed in claim 12, 15. The as the crosslinking characterized in that system 35 comprises, as crosslinking agent, a phenolic resin chosen from reactive alkylated methylphenol/ formaldehyde and bromomethylphenol/formaldehyde crosslinking resins and, as promoter,

chloropolymer, optionally in combination with zinc oxide and/or stearic acid.

- 16. The composition as claimed in one of claims 13 to
  15, characterized in that the crosslinking agent
  and the crosslinking promoter are present at a
  content of between 0.5 and 12 parts by weight per
  100 parts of the blend.
- 10 17. The crosslinked composition as claimed in any one of the preceding claims, additionally comprising a plasticizer and/or fillers of the light-colored fillers type or carbon blacks type and/or adjuvants.

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- A process for the preparation of the crosslinked with thermoplastic conversion composition claimed in one of the preceding characterized in that it comprises the blending of 20 at least one elastomer and of at least triblock block copolymer, optionally in thermoplastic polymer, of а presence plasticizer, of fillers and of adjuvants, and the crosslinking of this blend by an appropriate 25 crosslinking system at a suitably chosen temperature.
- 19. The process as claimed in claim 18, characterized in that it comprises the crosslinking at a temperature of between 150 and 320°C.
  - 20. The process as claimed in claim 18 or 19, characterized in that the crosslinking is carried out for a time of between 1 and 15 minutes.

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21. An insulation and/or leaktightness seal and molding comprising the crosslinked composition as claimed in any one of claims 1 to 17.

- 22. The use of the insulation and/or leaktightness seal and molding as claimed in claim 21 in the construction industry.
- 5 23. The use of the insulation and/or leaktightness seal and molding as claimed in claim 21 in the automobile industry.
- 24. A conduit, such as pipes, hoses, manifolds or nozzles, comprising the crosslinked composition as claimed in any one of claims 1 to 17.
- 25. The use of the composition as claimed in one of claims 1 to 17 in the manufacture of electric cables.
  - 26. The use of the composition as claimed in one of claims 1 to 17 for the manufacture of tires.
- 20 27. The use of the composition as claimed in one of claims 1 to 17 for the manufacture of belts.
  - 28. The use of the composition as claimed in one of claims 1 to 17 in the manufacture of shoe soles.